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**New biaromatic compounds are useful in treatment of cell  
proliferation and differentiation disorders - as well as e.g.  
ophthalmological disorders, cardiovascular disorders,  
non-insulin-dependent diabetes and Uv-induced cutaneous disorders**

Patent Assignee: CIRD CENT INT RECH DERMATOLOGIQUES (CIRD ); GALDERMA RES  
& DEV (CIRD )

Inventor: BERNARDON J; DIAZ P; BERNARDON J M

Number of Countries: 078    Number of Patents: 015

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9822423	A1	19980528	WO 97FR2063	A	19971117	199830 B
FR 2755965	A1	19980522	FR 9614098	A	19961119	199830
AU 9852254	A	19980610	AU 9852254	A	19971117	199843
BR 9707153	A	19990406	BR 977153	A	19971117	199920
			WO 97FR2063	A	19971117	
JP 11503472	W	19990326	WO 97FR2063	A	19971117	199923
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MX 9805705	A1	19981001	MX 985705	A	19980715	200019
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EP 915823	B1	20010418	EP 97947075	A	19971117	200123
			WO 97FR2063	A	19971117	
DE 69704619	E	20010523	DE 604619	A	19971117	200137
			EP 97947075	A	19971117	
			WO 97FR2063	A	19971117	
US 6258775	B1	20010710	US 97101622	A	19971117	200141
			WO 97FR2063	A	19971117	
JP 2001233821	A	20010828	JP 98523275	A	19971117	200157
			JP 2000399456	A	19971117	
ES 2158597	T3	20010901	EP 97947075	A	19971117	200161
JP 3232484	B2	20011126	WO 97FR2063	A	19971117	200201
			JP 98523275	A	19971117	

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FR 2755965    A1    C07C-059/72

AU 9852254    A    Based on patent WO 9822423

BR 9707153    A    Based on patent WO 9822423

JP 11503472    W    86 C07C-059/84    Based on patent WO 9822423

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MC NL PT SE			
NZ 330844	A		Based on patent WO 9822423
MX 9805705	A1	C07C-059/84	
AU 719468	B	C07C-059/84	Previous Publ. patent AU 9852254
			Based on patent WO 9822423
EP 915823	B1 F	C07C-059/84	Based on patent WO 9822423
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MC NL PT SE			
DE 69704619	E	C07C-059/84	Based on patent EP 915823
			Based on patent WO 9822423
US 6258775	B1	A61K-038/00	Based on patent WO 9822423
JP 2001233821	A	42 C07C-059/86	Div ex application JP 98523275
ES 2158597	T3	C07C-059/84	Based on patent EP 915823
JP 3232484	B2	28 C07C-059/84	Previous Publ. patent JP 11503472
			Based on patent WO 9822423

Abstract (Basic): WO 9822423 A

Biaromatic compounds of formula (I), their optical and geometric isomers and their salts are new. R1 = Me, CH2OR5, OR5 or COR6; Y = (R7)C=C(R7') or C triple bond C; Ar = Ph (substituted by R8) or furandiyl, thiophendiyl or pyridindiyl; Y may be ortho or meta to X; X = O, S, SO, SO2, N(R9), C(O), C=CH2, C=C(Me)2, CH2, CH(OR5), CH(R12), CH(NHOH), C=N-OR5, 1,3-dioxolan-2-diyl, 1,3-dioxan-2-diyl, 1,3-dithian-2-diyl, 1,3-dithiolan-2-diyl, oxiran-1-diyl or cyclopropan-1-diyl; R2, R3 = H, alkyl, OR5, SR5, polyether or alkyl containing at least 3 C atoms, the carbon attached to the phenyl group being substituted by at least 2 C atoms; or R2+R3 = 5- or 6-membered aromatic ring (optionally substituted by methyl and optionally interrupted by O or S); provided that when R2+R3 do not form a ring, then at least one of R2 and R3 is an alkyl containing at least 3 C atoms, the carbon attached to the phenyl group being substituted by at least 2 C atoms; R4, R8 = H, halogen, alkyl, OR5 or polyether; R5 = H, lower alkyl or COR10; R6 = H, lower alkyl, N(R')(R'') or OR11; R7, R7', R9 = H or lower alkyl; n = 0 or 1; R10 = lower alkyl; R11 = H, alkyl, alkenyl, mono- or poly-hydroxy alkyl, aryl or aralkyl (all optionally substituted) or residue of a sugar, amino acid or peptide; R12 = lower alkyl; R', R'' = H, lower alkyl, mono- or poly-hydroxy alkyl, optionally substituted aryl or residue of a sugar, amino acid or peptide; or R'+R'' = heterocycle.

USE - (I) are useful in the treatment of keratinisation disorders, inflammatory conditions which are not related to keratinisation disorders, malignant or benign dermal or epidermal proliferation, bullous dermatosis, collagen diseases, ophthalmological disorders, cardiovascular disorders, non-insulin-dependent diabetes, and UV-induced cutaneous disorders. (I) are also used to combat or repair damage caused by skin ageing, to reduce pigmentation and actinic keratosis, to prevent or repair vergetures, to promote cicatrisation, to combat sebaceous function disorders such as hyperseborrhoea of acne or simple seborrhoea. They are useful in the prevention or treatment of e.g. cutaneous atrophy, cicatrisation disorders, alopecia and cancerous or precancerous states such as promyelocytic leukaemia. They are used in pharmaceutical compositions in an amount of 0.001-5 wt.% and in cosmetic compositions for bodily and capillary hygiene in an amount of 0.001-3 wt.% (all claimed). Administration is enteral, parenteral, topical or ocular and in a daily dosage of 0.01-100 mg/kg, 1-3 times.

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Title Terms: NEW; BI; AROMATIC; COMPOUND; USEFUL; TREAT; CELL; PROLIFERATION; DIFFERENTIAL; DISORDER; WELL; OPHTHALMIC; DISORDER; CARDIOVASCULAR; DISORDER; NON; INSULIN; DEPEND; DIABETES; ULTRAVIOLET; INDUCE; CUTANEOUS; DISORDER

Derwent Class: B03; B05; C02; C03; D21; E13; E14  
International Patent Class (Main): A61K-038/00; C07C-059/72; C07C-059/84;  
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